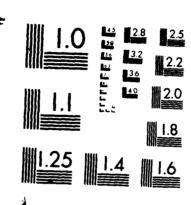
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UNITED STATES AIR FORCE

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OGGPATIONAL SURVEY REPORT



AFCC MAINTENANCE/EI WORKLOAD CONTROL

AFPT 70-000-78

SEPTEMBER 1986

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OCCUPATIONAL ANALYSIS PROGRAM
USAF OCCUPATIONAL MEASUREMENT CENTER
AIR TRAINING COMMAND
RANDOLPH AFB, TEXAS 78150-5000

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PREFACE

This report presents the results of an Air Force occupational survey of AFCC Maintenance/Engineering Installation (EI) Workload Control functions. This survey was requested by AFCC/CV to aid in determining if AFCC's Maintenance/EI Workload Control functions should continue with their present way of operation (one where numerous AFSCs perform) or create one or more new AFSCs to perform in these functions.

The survey instrument used in this project was developed by Chief Master Sergeant James T. Duffy, Inventory Development Specialist. Ms Olga Velez provided computer support for this project. Chief Master Sergeant James T. Duffy analyzed the survey data and wrote the report. Administrative support was provided by Ms Anita R. Carter. This report was reviewed by Lieutenant Colonel Charles D. Gorman, Chief, Airman Analysis Branch, Occupational Analysis Division, USAF Occupational Measurement Center.

Copies of this report are distributed to Air Staff sections, Air Force Communications Command, and other interested training and management personnel. Additional copies are available upon request to the USAF Occupational Measurement Center, Attention: Chief, Occupational Analysis Division (OMY), Randolph AFB, Texas 78150-5000.

PAUL T. RINGENBACH, Colonel, USAF Commander USAF Occupational Measurement Center JOSEPH S. TARTELL Chief, Occupational Analysis Division USAF Occupational Measurement Center

SUMMARY OF RESULTS

- 1. Survey Coverage: Of the 1,080 enlisted members in AFCC Maintenance/EI Workload Control functions, 892, or 83 percent of the total population, were in the final survey sample. One hundred percent of personnel sampled were assigned to AFCC.
- 2. Specialty Jobs: Analysis of the AFCC Maintenance/EI Workload Control functions identified four clusters and three independent job types (IJT):

Job Controllers Cluster
NCOIC Cluster
Readiness Center Controllers Cluster
EI Workload Control Personnel Cluster
Plans and Scheduling Personnel IJT
Administrative Supervisor's IJT
Vehicle Control NCO IJT

A majority of incumbents, having AFSCs in 30 different specialties, were found performing tasks related to the areas within Maintenance/EI Workload Control functions; i.e., Job Control, Plans and Scheduling, EI Workload Control or Readiness Centers. Only the Administrative Supervisors are performing primarily supervisory tasks, but they represent less than 1 percent of the survey sample.

3. <u>Implications</u>: Analysis of occupational survey data indicates there are a number of jobs in the Maintenance/EI Workload Control functional areas which suggest that one or more lateral AFSCs could be described and managed.

OCCUPATIONAL SURVEY REPORT AFCC MAINTENANCE/EI WORKLOAD CONTROL FUNCTIONS

INTRODUCTION

This is a report of an occupational survey of the AFCC Maintenance/EI Workload Control Functions completed by the Occupational Analysis Division, USAF Occupational Measurement Center, in September 1986. This is a special report requested by AFCC/CV to provide data to AFCC/LG that will enable them to make a decision regarding the operation of their Maintenance/EI Workload Control Functions; that is, to continue operating under the present system (currently, personnel in 30 different AFSCs perform in these functions), or to create one or more new AFSCs to perform the functions.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this survey was USAF Job Inventory AFPT 70-000-782, dated September 1985. A tentative task list was prepared by the Inventory Developer after reviewing tasks from previous occupational surveys of AFSCs belonging to AFCC that contained a Maintenance Control or Job Control job group. To ensure full coverage of the variety of tasks performed by members of the Maintenance/EI Workload Control functions, critical bases were identified and visited by the Inventory Developer. This step is important, since visiting bases which maintain the same or similar systems and overlooking bases which maintain unique or different systems may bias the task list and invalidate the results. Those bases and the reason visited are as follow:

Scott AFB IL - HQ AFCC - Initial Job Inventory Development
Peterson AFB CO - Space Command and Cheyenne Mountain
Offutt AFB NE - SACISD
Tinker AFB OK - EIC and Combat Communications Unit
Langley AFB VA - TACISD
Hickam AFB HI - PACISD
Yokota AB JA - Large Communications Group and Engineering
Installation Squadron
Clark AB RP - Large Communications Group covering much of the
Pacific area
Keesler AFB MS - Technical Training Center
Rhein-Main AB GE - Large Communications Group
Lindsey AS GE - Engineering Installation Group
Ramstein AB GE - EISD

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In addition to the personnel that participated in the interviews at the above locations, the AFCC Functional Manager and other members of the AFCC/LG staff provided invaluable assistance.

An instrument consisting of 424 tasks listed under 8 duty headings is the final result of this exhaustive effort. The survey instrument also included a background section that requested information such as job title, duty area, and job satisfaction data.

Data Collection

From September to December 1985, AFCC operational units worldwide administered the inventory to personnel performing duties in Maintenance/EI Workload Control. Participants were selected from a mailing list obtained from AFCC/LG. By direction of AFCC/LG, Quality Control and Material Control personnel were not surveyed.

Each individual who was administered the inventory first completed an identification and biographical information section and then checked each task performed in his current job. The participants then rated the tasks checked, on a 9-point scale, showing the relative time spent on that task as compared to all other tasks. The time spent ratings are measured on a scale which ranges from 1 (Very small amount of time) through 5 (About average amount of time) to 9 (Very large amount of time).

Time spent is defined as a relative measure of how much time individuals perceive themselves to spend on each task, as compared to all other tasks checked in the survey. To calculate time spent, all of an incumbent's ratings are assumed to account for 100 percent of his or her time spent on the job. The rating for each task is divided by the sum of all ratings, then multiplied by 100 to provide a relative percentage of time for each task. This procedure provides a basis for comparing tasks in terms of both percent members performing (where a task is checked by an incumbent) and relative time spent (based on the calculations from the 1-9 scale).

CONTROL SECTION INVESTIGATION SECTION SECTION

Survey Sample

Personnel were selected to participate in this survey to ensure an accurate representation across all AFCC units. All personnel performing in an AFCC Maintenance/EI Workload Control function were mailed survey booklets.

Table 1 shows the variety of AFSCs that participated in the survey. Also listed in this table is the percentage of respondents in the final survey compared to the number of assigned Maintenance/EI Workload Control positions. The 892 respondents included in the final sample represent 83 percent of assigned positions. Table 2 reflects the paygrade group distribution.

TABLE 1 AFSCs IN FINAL SURVEY SAMPLE

AFSC		NUMBER OF PERSONNEL
293X3	Ground Radio Operator	2
30100	Comm-Elect Systems Manager	3
302X0	Weather Equipment	17
303X1	Air Traffic Control Radar	37
303X2	Aircraft Control And Warning Radar	11
303X3	Automatic Tracking Radar	7
304X0	Wideband Communications Equipment	85
304X1	Navigation Aids Equipment	95
304X4	Ground Radio Communications	224
304X5	Television Equipment	14
304X6	Space Communications Systems Operator	15
30499	Ground Radio Comm Superintendent	5
305X4	Electronic Computer and Switching Systems	70
306X0	Electronic Communications And Cryptographic	
	Equipment Systems	60
306X2	AC&W Radar Specialist	1
306X3	Telecommunications Systems Maintenance	82
30699	Elect/Elect-Mech Comm & Cryptographic.	
	Equipment Sys Superintendent	3
307X0	Telecommunications Systems Control	43
309X0	Space Systems Equipment Maintenance	21
316X3	Instrumentation	Ţ
328X3		1
361XO	Cable and Antenna Systems Installation/	
	Maintenance	5
361X1	Cable Splicing Installation and Maintenance	11
362X1	Telephone Central Office Switching Equipment,	
	Elect/Electromech	22
362X3	Missile Control Communications Systems	15
362X4	Telephone Equipment Installation and Repair	5
491X1	Information System Operator	38
49199	Information System Superintendent	1
496X0	Information System Programs Management	1
542X2		1
645X0	Inventory Management	2
	Total	892
	10001	UJL

TOTAL ASSIGNED: 1,030 FINAL SAMPLE: 892 PERCENT OF ASSIGNED: 83%

TABLE 2
PAYGRADE DISTRIBUTION OF SURVEY SAMPLE

PAYGRADE	PERCENT OF SAMPLE
AIRMAN E-4	8 38
E-5	31
E-6	13
E-7	8
E-8	*
E-9	*

* Denotes less than 1 percent

Task Factor Administration

In addition to the job inventory, selected senior personnel in the Maintenance/EI Workload Control functions completed a second booklet which provided separately processed information concerning either task difficulty (TD) or training emphasis (TE) ratings. TD refers to the length of time required for the average job incumbent to learn to do the task. TE refers to the importance of structured training for first-enlistment personnel. Structured training is training provided through any organized training method, such as resident technical school, field training detachments, mobile training teams, or formal OJT. TE and TD ratings were gathered for the Maintenance/EI Workload Control study. In the event AFCC/LG decides to create one or more new AFSCs, the data are available from USAFOMC.

Task Difficulty (TD). Each individual completing a TD booklet rated each task with which they were familiar. Tasks were rated on a 9-point scale, ranging from 1 (extremely low relative difficulty) to 9 (extremely high relative difficulty). The interrater reliability (as assessed through components of variance of standardized group means) of the TD data provided by 24 senior NCOs was .88, indicating acceptable agreement among raters. TD ratings were adjusted to give a rating of 5.00 for a task of average difficulty, with a standard deviation of 1.00. Data are then used to rank-order the inventory tasks in terms of relative difficulty.

Job Difficulty Index (JDI). Task difficulty is also used to compute a JDI for job groups identified in the analysis of the survey, to provide a relative measure of the difficulty of jobs in comparison to each other. The JDI is computed using the number of tasks performed and the average difficulty per unit time spent. (Thus, a group will have higher JDI as a result of spending more time on difficult tasks and performing more tasks.) After measurements are standardized, the index ranges from 1.0 for a simple job to 25.0 for a very complex job, with an average of 13.0.

Training Emphasis (TE). Individuals completing TE booklets were asked to rate all tasks on a 10-point scale from no training required to extremely heavy training required. Training emphasis ratings by AFCC senior NCOs showed high disagreement among raters. As a result, interrater reliability was too low to allow utilization of TE data. Consequently, training emphasis is not addressed in this report.

SPECIALTY JOBS (Career Ladder Structure)

An important function of the USAF Occupational Analysis program is to examine the job structure within a function. Based on responses to survey questions, the computer clustering program clusters individuals together based on similarity of tasks performed and the amount of time spent on those tasks. Analysis of the distinct jobs performed within the function and their relationship to each other results in a display of the structure of work within the function. This information can be used to understand current utilization of personnel and to identify job satisfaction trends that may impact management decisions.

Each individual in the survey performs a set of tasks called a Job. A group of individuals who perform many tasks in common, and spend similar amounts of time performing those tasks is called a Job Type. Job types having a substantial degree of similarity are grouped and called a Cluster. Those specialized job types too dissimilar to fit within a cluster are labeled Independent Job Types.

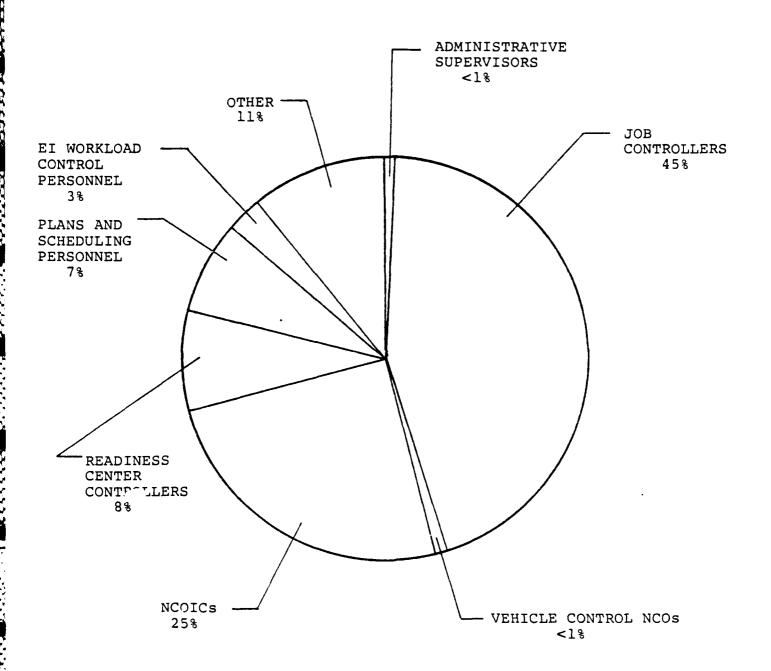
Overview of Specialty Jobs

Based on the similarity of tasks performed and the amount of time spent performing each task, four clusters and three independent job types were identified in the examination of the Maintenance/EI Workload Control functions (see Figure 1). These major jobs are described on the following pages. The group (GRP) number shown beside each title is a reference to computer-printed information and the letter "N" refers to the number of personnel in the group.

- I. Job Controllers Cluster (GRP046, N=403)
- II. NCOICs Cluster (GRP103, N=222)

- III. Readiness Center Controllers Cluster (GRP055, N=69)
- IV. EI Workload Control Personnel Cluster (GRP053, N=29)
- V. Plans and Scheduling Personnel IJT (GRP097, N=58)

FIGURE 1
FUNCTIONAL JOB GROUP REPRESENTATION



- VI. Administrative Supervisors IJT (GRP116, N=6)
- VII. Vehicle Control NCOs IJT (GRP090, N=5)

The respondents forming these groups accounted for 89 percent of the survey sample. Of the remaining 11 percent, most formed groups too small to be identified as a distinct jcb type in the analysis, and the functions they performed were too dissimilar to be grouped with the other job types. Some of the job titles given by respondents which were representative of these personnel included Telecom Operator, Missile Control Comm Operator, Quality Assurance Evaluator, and Teletype Resident Manager.

Group Descriptions

The following narratives describe the clusters and independent job types identified in the analysis. Tables 3 and 4 provide selected background and job satisfaction data for these groups. (Selected background and job satisfaction data, together with representative tasks for all identified groups, are listed in Appendix A.)

I. JOB CONTROLLERS CLUSTER (GRP046). This cluster contains 403 members, representing the largest group (45 percent) of the total sample. The cluster was formed based on the performance of tasks (an average of 32 are performed) by group members concerned primarily with job control operations. These personnel are assigned to four Maintenance Complex Categories, with the largest percentage being in Cat I (50 percent). Cat II contains 22 percent of the group members, Cat III 4 percent, and Cat IV only 1 percent. There were no members assigned to EI units; however, 14 percent indicated being assigned to other Maintenance Complexes. The average paygrade for group members is E-4, with 10 months being the average time in job control, and over 4 years (50 months) average for time in their respective career fields. Group members spend 80 percent of their relative job time on tasks involving job control duties. A sampling of tasks performed includes:

issue job control numbers
control unscheduled maintenance
dispatch maintenance personnel
operate MMICS terminals
maintain status boards, graphs, or charts, other
than for training
act as a 24-hour focal point
coordinate work activities with other units
or agencies

Personnel within the cluster indicate holding 3-, 5-, or 7-skill levels in 20 different AFSCs, with AFSC 304X4, Ground Radio Communications, having the largest representation (94 members).

TABLE 3

SELECTED BACKGROUND INFORMATION FOR FUNCTIONAL JOB GROUPS

	JOB CONTROLLERS CLUSTER	NC01Cs CLUSTER	READINESS CENTER CONTROLLER CLUSTER	EI WORKLOAD CONTROL PERSONNEL CLUSTER	PLANS & SCHEDULING PERSONNEL 13T	ADMININISTRATIVE SUPERVISORS IJT	VEHICLE CONTROL NCOS 131
NUMBER IN GROUP PERCENT OF SAMPLE	403 45%	222 25%	69 88	26 3%	58 7%	10 *	ب 0 *
AVERAGE NUMBER OF TASKS	32	78	24	27	34	35	23
JOB DIFFICULTY INDEX (JDI)	10.5	19.4	10.2	15.8	13.7	16.5	9.7
DUTY AFSC (PERCENT)							
3-SKILL LEVEL 5-SKILL LEVEL	8 8 8 8 8 8	35%	55 707	35 %	64 %	* * 0	%0 %09
7-SKILL LEVEL	3 1	% [9	25%	265	36%	83%	40%
9-SKILL LEVEL	X	%	X	34	**	% 0	70
СЕМ	*	*	*	34 60	* 0	3 /1	* 0
AVERAGE GRADE	E-4	E-6	E-5	E-6	E-5	E-7	E-5
(MOS)	10	15	13	52	13	15	12
AVERAGE TICF (MOS)	20	115	17	142	80	203	107
AVERAGE TAFMS (MOS)	63	145	94	191	66	219	110
ENLISTMENT	48%	2%	722	34 34	16%	x 0	20%

* Indicates less than 1 percent

TABLE 4

AND THINK AND AND PRESENT SESSE AND SESSES.

JOB SATISFACTION INDICATORS BY FUNCTIONAL JOB GROUPS (PERCENT MEMBERS RESPONDING)

	JOB CONTROLLERS CLUSTER	NCO1Cs CLUSTER	READINESS CENTER CONTROLLER CLUSTER	EI WORKLOAD CONTROL PERSONNEL CLUSTER	PLANS & SCHEDULING PERSONNEL IJT	ADMININISTRATIVE SUPERVISORS IJT	VEHICLE CONTROL NCOS 13T
EXPRESSED JOB INTEREST		·					
INTERESTING SO-SO DULL	57 22 21	73 16 11	25 28 45	86 7 7	74 10 16	50 50 0	40 40 20
PERCEIVED USE OF TALENTS	SI						
FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL	LY 55 45	75 25	28 71	66 34	72 28	83 2 17 8	20 80
PERCEIVED USE OF TRAINING	NG						
FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL	1, 30 69	45 55	12 17	31 69	38 6 2	83 0 17 100	0 0
SENSE OF ACCOMPLISHMENT							
SATISFIED NEUTRAL DISSATISFIED	50 18 31	69 6 24	33 . 16 49	76 3 21	76 7 16	50 4 17 33 6	40 0 60
REENLISTMENT INTENTIONS							
WILL/PROBABLY WILL REENLIST	NLIST 52	69	85	69	72) 10	100
NOT REENLIST WILL RETIRE	46	17	39	10 21	21	71	00

II. NCOICS CLUSTER (GRP103). The 222 airmen forming this group are distinguished from the other groups by their higher percentage of time spent on supervisory and administrative tasks. They average 12 years (145 months) Total Active Federal Military Service (TAFMS), with an average paygrade of E-6. These personnel function as supervisors of maintenance control, job control, plans and scheduling, readiness center, or as a senior controller. Tasks indicative of their job include:

inform commander on equipment or mission status participate in meetings such as staff meetings, briefings, conferences, or workshops coordinate work activities with other units or agencies operate MMICS terminals coordinate with Chief of Maintenance on maintenance actions review correspondence or reports write correspondence

While supervising an average of 4 personnel, these group members perform the largest average number of tasks (78) of any group in the survey sample. Group members represent 23 different AFSCs, with AFSC 304X4, Ground Radio Communications, again having the largest number of respondents (74).

III. <u>READINESS CENTER CONTROLLER CLUSTER (GRP055)</u>. This group differs from the Job Controllers group in that 79 percent of the 69 members are assigned to Information Systems Divisions. With an average paygrade of E-5, they average 13 months in the job and just under 8 years (94 months) TAFMS. While representing 8 different AFSCs, 19 members of this group (28 percent) hold AFSC 491X1, Information Systems Operator. They perform fewer tasks than the Job Controllers group (an average of 24), but the tasks performed are more readiness center involved than that of job control. Examples of the tasks performed are:

prepare AFCC Forms 70 (NCMO Outage Report/Readiness Center Outage Report)
perform readiness center procedures
act as a 24-hour focal point
maintain Mission Impairment Reports (MIREP) and logs
maintain DD Form 1753 (Master Station Log)
prepare readiness center briefings
inventory classified materials or
equipment

The large majority of this group (87 percent) perceived the use of their training as little or not at all in performing readiness center tasks. Seventy-one percent indicated their talents were being used little or not at all while working in the readiness center.

IV. EI WORKLOAD CONTROL PERSONNEL CLUSTER (GRP053). The 29 members of this group average more time in the job (25 months) than any of the other groups in the sample survey. With an average paygrade of E-6, 86 percent of these personnel find their job interesting. Group members spend 41 percent of their relative job time performing tasks related to EI Workload Control functions. Examples of these tasks are:

maintain scheme working files
manage scheme packages
monitor status of Workload Management System(WMS)
participate in meetings, such as staff meetings,
briefings, conferences, or workshops
coordinate work activities with other units or
agencies
prepare briefings

Seventy-nine percent of group members indicate being assigned to EI units, with AFSCs 304X4 and 361X1 having the majority (6 each) of the 14 different AFSCs found in EI Workload control functions.

V. PLANS AND SCHEDULING PERSONNEL (GRP097). The 58 airmen forming this independent job group are distinguished from the other groups by their higher percentage of time spent (70 percent) on tasks involving plans and scheduling. They average just over 8 years (98.6 months) TAFMS and have an average paygrade of E-5. Personnel in this group are assigned to all maintenance complex categories, except Cat IV, with the largest (69 percent) in Cat I. Typical of the average 34 tasks performed are:

operate MMICS terminals
verify MMICS listings
operate MMICS on-line printers
maintain master ID listings
prepare preventive maintenance inspection
listings
distribute computer products

Members of this group perceive the use of their talents as fairly well or better (72 percent), while representing 10 different AFSCs. As in some of the other groups, AFSC 304X4 has the largest number (22) assigned.

VI. ADMINISTRATIVE SUPERVISORS (GRP116). Spending 70 percent of their relative job time performing tasks pertaining to general supervisory, managerial, and administrative duties, the 6 members of this IJT report supervising an average of 5 personnel. With an average paygrade of E-7, personnel in this group are the senior group of the sample survey (averaging 18.2 years TAFMS). All are assigned to Cat I, II, or III maintenance complexes and hold 5 different AFSCs. Examples of tasks performed are:

write correspondence review correspondence or reports interpret policies, directives, or procedures for subordinates prepare APRs or letters of evaluation (LOE)

Personnel in the field, when contacted, stated that the difference between their group and the NCOICs group was total supervisory responsibilities. All indicated this was possible only because of having experienced personnel working for them and they experienced little or no turnover of personnel in maintenance control areas.

VII. VEHICLE CONTROL NCOs (GRP090). This independent job group of 5 airmen is the smallest of any formed in the sample and represents less than one percent of the total sample. Eighty percent of the respondents indicate being assigned to Cat I maintenance complexes while performing tasks relating to control of vehicles and vehicle inspections. Typical tasks occupying most of their job time include:

initiate AF Forms 171 (Request For Driver's Training And Addition to SF46)
perform vehicle inspections, such as weekly and monthly monitor vehicle mileage and fuel consumption maintain vehicle control logs initiate AF Forms 1800 (Operator's Inspection Guide And Trouble Report) maintain vehicle charge out records of off-base trips

With an average paygrade of E-5, and 9 years TAFMS, personnel in this group average performing 23 tasks. One hundred percent of the members indicate little or no utilization of training received in their DAFSC.

Comparison of Functional Jobs

In addition to individual descriptions of each job, a comparison of some differences and similarities in the groups helps promote a better understanding of the Maintenance/EI Workload Control functions. Two areas of comparison of particular interest are job difficulty and job satisfaction indicators.

Job Difficulty. As previously mentioned, there are four major jobs and three independent job types in this function. The Job Difficulty Index (JDI), based on the number of tasks performed and the relative difficulty per unit time spent (see Task Factor Administration section), can be used to compare the difficulty of the different job groups (see Table 3 for a complete comparison). Those jobs related to Job Controllers, Readiness Center Controllers,

and Vehicle Control NCOs tend to have a lower JDI (10.4, 10,2, and 9.7, respectively) due to the difficulty of most tasks performed being below the mean of 5.0. The NCOICs group on the other hand, had the highest JDI (19.3) of any group. This high JDI is due to the performance of more tasks (average performing 78 tasks) and the number of supervisory tasks with high TD.

Job Satisfaction. As part of the background section of the survey, job incumbents were asked to respond to several questions, indicating how interesting they found their job, their perception on how well their job utilized their talents and training how satisfied they were with the sense of accomplishment gained from their work, and their intention to reenlist. Answers from these questions may help managers identify problem areas of concern.

Members of the groups discussed indicated the jobs performed are interesting, with the exception of Readiness Center Controllers (see Table 4 for group comparisons). Just over 50 percent of these respondents indicate they like their job. Readiness Center Controllers and Vehicle Control NCOs had a very low perception of use of their talents (28 and 20 percent, respectively), while the other groups indicated average to high use of their talents. With the exception of Administrative Supervisor's group (83 percent), all groups indicated very low utilization of training (less than 45 percent). Vehicle Control NCOs responded that their training was of no use at all (0 percent). Responses pertaining to sense of accomplishment by most groups were average except for Readiness Center Controllers and Vehicle Control NCOs, with 49 and 60 percent, respectively, indicating dissatisfaction with their jobs. However, reenlistment intentions for all groups were positive (52 percent or more of the respondents in each group indicated they will reenlist).

In summary, indications are that the Job Controllers, Readiness Center Controllers, and Vehicle Control NCO's jobs are not difficult to learn to perform, while the remaining groups in the survey have a higher than average (13.0) JDI. Job satisfaction question responses indicate problems in areas of perceived use of talents, training, and sense of accomplishment for some groups. This, in part, may be due to these personnel being pulled from their workshops to perform Maintenance Control functions. A good percentage of the airmen in the sample expressed positive reenlistment intentions.

IMPLICATIONS

A STATE AND A STATE STAT

Analysis of the AFCC Maintenance/EI Workload Control functions indicates a number of personnel in 30 different AFSCs are performing many of the same tasks, regardless of their job location, i.e., Job Control, NCOICs, or Readiness Center. Based upon analysis of the Maintenance/EI Workload Control functions, the following options are available to AFCC:

 Continue with present way of manning Maintenance/EI Workload Control positions. This would enable the commander to continue to pull personnel from whatever work center deemed necessary to fill positions. But, with this option, personnel will continue to perform out of their AFSC, thus continuing to put them at a disadvantage for promotion. Also, job satisfaction, a major factor to be considered in any AFSC, will continue to be low.

- 2. Create two new lateral AFSCs: one for Job Controllers, NCOICs, and Readiness Center Controllers; and a second AFSC for EI Workload Control personnel. Table 5 gives examples of common tasks performed by Job Controllers, NCOICs, and Readiness Center Controllers that could be combined into one lateral AFSC. Also, Table 5 shows the uniqueness of EI workload controllers, indicating they could be designated as a separate lateral AFSC. This option will allow for stabilization within the Maintenance/EI Workload Control functions and also allow personnel assigned to those functions an equal opportunity to compete for promotion.
- 3. Fill positions using only the AFSCs survey data show as having a majority in a specific function (Appendix B shows these majority AFSCs). Option 3 would enable commanders to fill positions using the AFSCs from work centers where they have the most work being accomplished in the unit. Again, as with option 1, job satisfaction must be taken into consideration, as well as the individuals chances for equal promotion opportunities.

Analysis indicates that option 2 best reflects the way work is being accomplished and would allow for a more stabilized and better trained work force. Also, option 2 would give personnel an equal chance for promotion. In the event option 2 is implemented by AFCC, USAFOMC will furnish the data necessary to help in developing Specialty Training Standards (STS) and Career Development Courses (CDC) for new AFSCs. If AFCC selects option 3, USAFOMC will provide the data necessary to determine which AFSCs to use.

TABLE 5

PRODUCES RELEASED NOTONO CONTRA

EXAMPLES OF COMMON TASKS PERFORMED BY 50 PERCENT OR MORE GROUP MEMBERS

	JOB CONTROLLERS CLUSTER	NCOICS CLUSTER	READINESS CENTER CONTROLLERS CLUSTER	EI WORKLOAD CONTROL CLUSTER
ISSUE JOB CONTROL NUMBERS CONTROL UNSCHEDULED MAINTENANCE	××	××		
DISPATCH MAINTENANCE PERSONNEL	××	×>		
OFERALE FMICS LERGINALS MAINTAIN STATUS BOARDS, GRAPHS, OR CHARTS,	<	<	٠	
OTHER THAN FOR TRAINING	× :	×	× :	×
ACT AS 24-HOUR FOCAL POINT COORDINATE WORK ACTIVITIES WITH OTHER	×	×	×	
	×	×		×
INFORM COMMANDER ON EQUIPMENT OR MISSION		:		:
STATUS	×	×	×	
REPORT OUTAGES TO HIGHER HEADQUARTERS	×	×	×	
DETERMINE WORK PRIORITIES	×	×		×
COORDINATE WITH CHIEF OF MAINTENANCE ON				
MAINTENANCE ACTIONS	×	×		
SUBMIT MIREPS	×	×	×	
MAINTAIN DD FORMS 1753 (MASTER STATION LOG)	×	×	×	
ш	×	×		
PREPARE JOB STATUS DOCUMENTS	×	×		
CONDUCT CREWSHIFT CHANGEOVER BRIEFINGS	×		×	
MAINTAIN MISSION IMPAIRMENT REPORTS (MIREP)				
AND LOGS	×	×	×	
MAINTAIN EQUIPMENT STATUS REPORTS	×	×	×	
PREPARE BRIEFINGS	×	×	×	
DIRECT ACTIONS AS MAINTENANCE CONTROLLER TO	;	;		
CURKEC! DEFICIENCIES IN EQUIPMENT AND SYSTEMS	× ∶	× ∶	;	
CONIROL SECURITY OF SAFES OR VAULIS	× :	×	×	
MAINTAIN JOB STATUS DOCUMENT FILES	×	×		×
DVISE CUMMAND STAFF AGENCIES UN CURKENI OPERATIONAL STATUS OF FOUIDMENT OR SYSTEMS	>-	>	>	
ś	<	<	ζ	

TABLE 5 (CONTINUED)

EXAMPLES OF COMMON TASKS PERFORMED BY 50 PERCENT OR MORE GROUP MEMBERS

TASK		JOB CONTROLLERS CLUSTER	NCOICS CLUSTER	READINESS CENTER CONTROLLERS CLUSTER	EI WORKLOAD CONTROL CLUSTER
E290	PREPARE AFCC FORMS 70 (NCMO OUTAGE REPORT/ RFADINESS CENTER DUTAGE REPORT)	>-	>	>	
E170	၁	< >	< >	<	
E158	S	<	<		
E232	MAIEKIALS MAINTAIN STANDBY ROSTERS	× ×	××	×	
E148	ANNOTATE AF FORMS 2447 (TELEPHONE TROUBLE LOG)	: ×	: ×		
E 168	COORDINATE FOWER CHANGEOVERS OR OUTAGES WITH		;		
i r	COMMUNICATIONS SUPPORT FACILITIES	×	×		
E 155	CONDUCT PHYSICAL SECURITY INSPECTIONS OF				
	PACILITIES PACILITIES	×	×		
E263	OPERATE MMICS ON-LINE PRINTERS	×	×		
E 186	IMPLEMENT RECALL ROSTERS	×	×	×	
E260	OPERATE INTRA-BASE RADIO (IBR) EQUIPMENT	×	×	:	
E 194	INVENTORY CLASSIFIED MATERIALS OR EQUIPMENT	×	×	×	
E228		×	×	×	
E211	MAINTAIN CIRCUIT OUTAGE REPORTS			×	
A 19	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS				
	BRIEFINGS, CONFERENCES, OR WORKSHOPS	×	×		×

APPENDIX A

SELECTED REPRESENTATIVE TASKS

FOR

FUNCTIONAL GROUPS

GROUP ID AND TITLE: GRP043 - JOB CONTROLLERS CLUSTER

GROUP SIZE: N=403 PERCENT OF SAMPLE: 45%

AVERAGE GRADE: E-4 AVERAGE TIME IN JOB: 10 MONTHS

AVERAGE TICF: 50 MONTHS AVERAGE TAFMS: 63 MONTHS

TASKS		PERCENT MEMBERS PERFORMING
	ISSUE JOB CONTROL NUMBERS	97
Al	COORDINATE WORK ACTIVITIES WITH OTHER UNITS OR	
	AGENCIES	90
	INFORM COMMANDER ON MISSION OR EQUIPMENT STATUS	90
	DISPATCH MAINTENANCE PERSONNEL	89
	CONTROL UNSCHEDULED MAINTENANCE	87
	OPERATE MMICS TERMINALS	86
	SUBMIT MIREPs	86
	REPORT OUTAGES TO HIGHER HEADQUARTERS	85
	DETERMINE WORK PRIORITIES	83
E 169	COGRDINATE WITH CHIEF OF MAINTENANCE ON MAINTENANCE	
	ACTIONS	82
E233	MAINTAIN STATUS BOARDS, GRAPHS, OR CHARTS, OTHER	
	THAN FOR TRAINING	82
E225	MAINTAIN MISSION IMPAIRMENT REPORTS (MIREP) AND LOGS	78`
E143	ACT AS 24-HOUR FOCAL POINT	72
E 154	CONDUCT CREWSHIFT CHANGEOVER BRIEFINGS	72
A30	PREPARE BRIEFINGS	69
E232	MAINTAIN STANDBY ROSTERS	69
E 157	CONTROL SCHEDULED MAINTENANCE	69
E 159	CONTROL SECURITY OF SAFES OR VAULTS	68
	CONTROL SECURITY OF FACILITIES OR CLASSIFIED MATERIALS	62
E263	OPERATE MMICS ON-LINE PRINTERS	58

GROUP ID NUMBER AND TITLE: GRP103 - NCOICS CLUSTER GROUP SIZE: N=222 PERCENT OF SAME

PERCENT OF SAMPLE: 25%

AVERAGE GRADE: E-6 AVERAGE TICF: 115 MONTHS AVERAGE TIME IN JOB: 15 MONTHS AVERAGE TAFMS: 145 MONTHS

TASKS	5	PERCENT MEMBERS PERFORMING
A1	COORDINATE WORK ACTIVITIES WITH OTHER UNITS OR	
	AGENCIES	96
A 19		
	BRIEFINGS, CONFERENCES, OR WORKSHOPS	94
A5		94
E187 E169	INFORM COMMANDER ON EQUIPMENT OR MISSION STATUS COORDINATE WITH CHIEF OF MAINTENANCE ON	94
	MAINTENANCE ACTIONS	87
B43	DIRECT DEVELOPMENT OR MAINTENANCE OF STATUS	
	BCARDS, GRAPHS, OR CHARTS	85
A30	PREPARE BRIEFINGS	85
E233		84
E224	REPORT OUTAGES TO HIGHER HEADQUARTERS	84 84
E324	THIEDDRET DOLLCIES DIRECTIVES OF PROCEDURES	04
000	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES	84
5005	FOR SUBORDINATES	04
E225	MAINTAIN MISSION IMPAIRMENT REPORTS (MIREP) AND LOGS	84
E0C4	· · · · · · · · · · · · · · · · · · ·	
	OPERATE MMICS TERMINALS	82
E 19/	ISSUE JOB CONTROL NUMBERS	81
836	CONDUCT BRIEFINGS, OTHER THAN CREW BRIEFINGS	81
	MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	13
D121		81
D118		81
E161		80
CHI	VERIFY MAINTENANCE MANAGEMENT INFORMATION	=-
	AND CONTROL SYSTEM (MMICS) LISTINGS	79
A12	DEVELOP WORK METHODS AND PROCEDURES	78

GROUP ID NUMBER AND TITLE: GRP055 - READINESS CENTER CONTROLLERS

CLUSTER

GROUP SIZE: 69

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PERCENT OF SAMPLE: 8%

AVERAGE GRADE: E-5

AVERAGE TIME IN JOB: 13 MONTHS

AVERAGE TICF: 71 MONTHS

AVERAGE TAFMS: 94 MONTHS

TASKS		PERCENT MEMBERS PERFORMING
E214		91
E337	TRACK AVAILABILITY OF COMMANDERS	90
E275	PERFORM READINESS CENTER PROCEDURES	88
E194	INVENTORY CLASSIFIED MATERIALS OR EQUIPMENT	88
E255	MAINTAIN MISSION IMPAIRMENT REPORTS (MIREP) AND LOGS	84
	INFORM COMMANDER ON EQUIPMENT OR MISSION STATUS	83
E143	ACT AS 24-HOUR FOCAL POINT	81
E290	PREPARE AFCC FORMS 70 (NCMO OUTAGE REPORT/READINESS	
	CENTEROUTAGE REPORT)	80
E324	REPORT OUTAGES TO HIGHER HEADQUARTERS	75
E247	MAKE ENTRIES ON AFCC FORMS 210 (REPORT OF AIRCRAFT	
	MISHAP/HATR)	75
E266	OPERATE SMALL COMPUTER EQUIPMENT	74
	SUBMIT MIREPS	71
B67	PREPARE READINESS CENTER BRIEFINGS	70
E322	RECEIPT AND PROCESS CLASSIFIED MESSAGES OR REPORTS	
	AFTER DUTY HOURS	68
E204	MAINTAIN AFCOMSEC FORMS 16 (COMSEC ACCOUNT DAILY-	
	SHIFT INVENTORY)	65
A30	PREPARE BRIEFINGS	62
E 145	ADVISE COMMAND STAFF AGENCIES ON CURRENT	
	OPERATIONAL STATUS OF EQUIPMENT OR SYSTEMS	62
E315	OPERATIONAL STATUS OF EQUIPMENT OR SYSTEMS PROCESS COMMANDERS SPECIAL INTEREST (CSI) REPORTS	62
E159	CONTROL SECURITY OF SAFES OR VAULTS	60
	CONTROL SECURITY OF FACILITIES OR CLASSIFIED	
	MATERIALS	58

GROUP ID NUMBER AND TITLE: GRP 053 - EI WORKLOAD CONTROL PERSONNEL

CLUSTER

GROUP SIZE: 29 PERCENT OF SAMPLE: 3%

AVERAGE GRADE: E-6 AVERAGE TIME IN JOB: 25 MONTHS

AVERAGE TICF: 142 MONTHS AVERAGE TAFMS: 161 MONTHS

		PERCENT MEMBERS
TASKS		PERFORMING
A19	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS	
	BRIEFINGS, CONFERENCES, OR WORKSHOPS	100
G392	MAINTAIN SCHEME WORKING FILES	97
A 1	COORDINATE WORK ACTIVITIES WITH OTHER UNITS OR	
	AGENCIES	97
A30	PREPARE BRIEFINGS	97
G396	MONITOR STATUS OF WORKLOAD MANAGEMENT SYSTEM (WMS)	90
G393	MANAGE SCHEME PACKAGES	86
G391	INPUT DATA INTO PRODUCTION REPORTING SYSTEM	79
E266	OPERATE SMALL COMPUTER EQUIPMENT	79
G412	UPDATE WMS	76
G405	PROJECT 60-90 DAY WORKLOAD	76
	COORDINATE ANTICIPATED WORK STOPPAGE MESSAGES	76
G388	COORDINATE WORK STOPPAGE MESSAGES	76
B68	WRITE CORRESPONDENCE	72
G397	OPERATE WMS TERMINALS	72
G394	MONITOR AFCC FORMS 1202 (INITIAL JOB STATUS DAILY	
	UPDATE)	69
G404	PROCESS SCHEME COMPLETION DOCUMENTS	69
B36	CONDUCT BRIEFINGS, OTHER THAN CREW BRIEFINGS	69
G383	ACCEPT OR REJECT EI WORKLOAD	69
C83	EVALUATE INSTALLATION MILESTONES	66
E233	MAINTAIN STATUS BOARDS, GRAPHS, OR CHARTS, OTHER	
	THAN FOR TRAINING	62

GROUP ID NUMBER AND TITLE: GRP097 - PLANS AND SCHEDULING PERSONNEL

GROUP SIZE: 58 PERCENT OF SAMPLE: 7%

AVERAGE GRADE: E-5 AVERAGE TIME IN JOB: 13 MONTHS

AVERAGE TICF: 80 MONTHS AVERAGE TAFMS: 99 MONTHS

TASKS		PERCENT MEMBERS PERFORMING
E264	OPERATE MMICS TERMINALS	98
	MAINTAIN MASTER IDENTIFICATION (ID) LISTINGS	93
Al		•
	AGENCIES	93
E263	OPERATE MMICS ON-LINE PRINTERS	91
	VERIFY MAINTENANCE MANAGEMENT INFORMATION AND	
	CONTROL SYSTEM (MMICS) LISTINGS	90
	PREPARE PREVENTIVE MAINTENANCE INSPECTION LISTINGS	90
	PREPARE MONTHLY OR QUARTERLY MAINTENANCE PLAN	90
	PROCESS TIME COMPLIANCE TECHNICAL ORDERS	90
E240	MAKE ENTRIES ON AF FORMS 2001 (NOTIFICATION OF	
	TCTO KIT REQUIREMENTS	90
	DISTRIBUTE COMPUTER PRODUCTS	88
E172	DEVELOP AND ASSIGN EQUIPMENT IDENTIFICATION	
	NUMBERS	87
	CONTROL SCHEDULED MAINTENANCE	83
	ISSUE JOB CONTROL NUMBERS	81
	PREPARE AF FORMS 1530 (PUNCH CARD TRANSCRIPT)	78 76
	PROCESS MMICS BACKGROUND PROGRAM REQUIREMENTS	76
A 19	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS,	76
E 140	BRIEFINGS, CONFERENCES, OR WORKSHOPS	76
	ANNOTATE DEVIATIONS TO MONTHLY MAINTENANCE PLANS	74
E218	MAINTAIN JOB STATUS DOCUMENT FILES	72 71
E302	PREPARE JOB STATUS DOCUMENTS	71
A6	DEVELOP EQUIPMENT OPERATION OR MAINTENANCE SCHEDULES	71
	JUITEDULEJ	/ 1

GROUP ID NUMBER AND TITLE: GRP116 - ADMINISTRATIVE SUPERVISORS

GROUP SIZE: 6 PERCENT OF SAMPLE: LESS THAN ONE AVERAGE GRADE: E-7 AVERAGE TIME IN JOB: 14 MONTHS AVERAGE TICF: 202 MONTHS AVERAGE TAFMS: 219 MONTHS

TASKS		PERCENT MEMBERS PERFORMING
B68	WRITE CORRESPONDENCE	100
C109	REVIEW CORRESPONDENCE OR REPORTS	100
B58	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	100
A19	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS,	100
	BRIEFINGS, CONFERENCES, OR WORKSHOPS	100
	PREPARE APRS OR LETTERS OF EVALUATION (LOE) COUNSEL PERSONNEL ON PERSONAL OR MILITARY- RELATED	100
B40	MATTERS	100
C99	INDORSE AIRMAN PERFORMANCE REPORTS (APR)	100
C97	EVALUATE USE OF WORKSPACE, EQUIPMENT, OR SUPPLIES	100
A1	COORDINATE WORK ACTIVITIES WITH OTHER UNITS OR	
,,,,	AGENCIES	100
0107	PREPARE REPLIES TO INSPECTION REPORTS	100
	PREPARE RECOMMENDATIONS FOR AWARDS OR DECORATIONS	100
	REVIEW DAILY DOCUMENT REGISTER (DO-4)	` 100
B59	· · · · · · · · · · · · · · · · · · ·	100
	SCHEDULE TEMPORARY DUTY, LEAVES, OR PASSES	100
A2	DETERMINE BUDGET OR FINANCIAL REQUIREMENTS	100
E169	COORDINATE WITH CHIEF OF MAINTENANCE ON MAINTENANCE	
	ACTIONS	83
B43	DIRECT DEVELOPMENT OR MAINTENANCE OF STATUS BOARDS,	
	GRAPHS, OR CHARTS	83
C81	EVALUATE INDIVIDUALS FOR RECOGNITION	83
A12	DEVELOP WORK METHODS OR PROCEDURES	83

GROUP ID NUMBER AND TITLE: GRP090 - VEHICLE CONTROL NCOs

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GROUP SIZE: 5

AVERAGE GRADE: E-5

AVERAGE TICF: 107 MONTHS

PERCENT OF SAMPLE: LESS THAN ONE
AVERAGE TIME IN JOB: 12 MONTHS

AVERAGE TAFMS: 110 MONTHS

		PERCENT MEMBERS
TASKS		PERFORMING
E 188	INITIATE AF FORMS 171 (REQUEST FOR DRIVER'S	
	TRAINING AND ADDITION TO STANDARD FORM 46)	100
E277	PERFORM VEHICLE INSPECTIONS, SUCH AS WEEKLY	
	AND MONTHLY	100
	MONITOR VEHICLE MILEAGE AND FUEL CONSUMPTION	100
	MAINTAIN VEHICLE CONTROL LOGS	100
E 189	INITIATE AF FORMS 1800 (OPERATOR'S INSPECTION	
	GUIDE AND TROUBLE REPORT (GENERAL PURPOSE VEHICLE)	100
	MAINTAIN VEHICLE CHARGEOUT RECORD OF OFF-BASE TRIPS	100
E 19 I	INITIATE SF FORMS 91 (OPERATOR'S REPORT OF MOTOR	100
A 4	VEHICLE ACCIDENT)	100
	DETERMINE TRANSPORTATION REQUIREMENTS	80 80
	OPERATE SMALL COMPUTER EQUIPMENT MAINTAIN STATUS BOARDS, GRAPHS, OR CHARTS, OTHER	80
E233	THAN FOR TRAINING	80
E338	TYPE RECORDS, REPORTS, OR CORRESPONDENCE	80
	PERFORM SELF-INSPECTIONS	80
	REVIEW DAILY DOCUMENT REGISTER (DO-4)	80
A 19	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS,	
,	BRIEFINGS, CONFERENCES, OR WORKSHOPS	80
C111	VERIFY MAINTENANCE MANAGEMENT INFORMATION AN	
	CONTROL SYSTEM (MMICS) LISTINGS	80
	INVESTIGATE ACCIDENTS OR INCIDENTS	80
E252	MANAGE FUEL ISSUE COUPONS	60
	REVIEW CORRESPONDENCE OR REPORTS	60
	PREPARE REPLIES TO INSPECTION REPORTS	60
F350	DRIVE SMALL GOVERNMENT VEHICLES, SUCH AS PICKUPS	
	OR PASSENGER VEHICLES	60

APPENDIX B

GROUP AFSC REPRESENTAION

TABLE B1

GROUP ID NUMBER AND TITLE: GRP046 - JOB CONTROLLERS CLUSTER

AFSC	NUMBER	AFSC	NUMBER	AFCC	NUMBER
30250	9	30470	2	30750	8
30270	1	30471	9	30770	1
30351	13	30474	9	30950	9
30352	6	30475	1	30970	2
30371	2	30476	3	32853	1
30430	1	30534	3	36231	2
30431	1	30554	34	36251	11
30434	2	30574	3	32653	1
30436	1	30630	4	32654	3
30450	38	30632	1	36271	2
30451	33	30650	25	36273	4
30454	85	30653	41	49131	ľ
30455	9	30670	1	49151	4
30456	9	30673	4	49171	1
		30730	2	54252	1

GROUP ID NUMBER AND TITLE: GRP103 - NCOICs CLUSTER GROUP SIZE: 222

TABLE B2

AFSC	NUMBER	AFSC	NUMBER	AFSC	NUMBER
29373	1	30471	21	30750	1
30100	1	30474	45	30770	5
30250	2	30475	2	30790	1
30270	4	30499	1	30950	1
30351	2	30534	1	30970	3
30352	2	30554	1	31653	1
30371	10	30574	6	36151	2
30430	1	30594	1	36171	1
30450	7	30650	9	36251	1
30451	6	30653	8	36253	3
30454	29	30670	9	36271	1
30455	2	30673	12	36273	2
30470	9	30699	2	49151	1
				49171	3
				49199	1
				64570	1

TABLE B3

GROUP ID NUMBER AND TITLE: GRP055 - READINESS CENTER CONTROLLERS CLUSTER GROUP

SIZE: 69

AFSC	NUMBER	AFSC	NUMBER
29353	1	30650	1
30450	2	30670	1
30451	7	30730	2
30454	3	30750	15
30470	4	30770	6
30471	1	49131	2
30474	2	49151	16
30554	3	49171	3

TABLE B4

GROUP ID NUMBER AND TITLE: GRP053 - EI WORKLOAD CONTROL PERSONNEL CLUSTER

AFSC	NUMBER	AFSC	NUMBER
30010	1	30653	1
30371	1	30670	2
30372	1	36150	1
30450	1	36151	2
30451	1	36170	2
30454	2	36171	4
30474	4	36251	2
30499	1	36271	1
30574	1	49670	1

TABLE B5

GROUP IN NUMBER AND TITLE: GRP097 - PLANS AND SCHEDULING PERSONNEL IJT

AFSC	NUMBER	AFSC	NUMBER
30250	1	30474	9
30352	2	30554	4
30371	2	30574	3
30450	5	30650	1
30451	4	30653	4
30454	13	30670	1
30470	1	30673	1
30471	4	36253	3

TABLE B6

GROUP ID NUMBER SND TITLE: ADMINISTRATIVE SUPERVISORS IJT

AFSC	NUMBER
30100	1
30371	1
30474	2
30673	1
64570	1

TABLE B7

GROUP ID NUMBER AND TITLE: VEHICLE CONTROL NCOs IJT GROUP SIZE: 5

AFSC	NUMBER
30451	1
30454	2
30673	2

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